

$M_r, 10^3$
 218 —
 108 —
 67 —
 45 —
 28 —

1110-1325 1197-1300 1281-1350
 1 2 3 4 1 2 3 4 1 2 3 4

← TPP

FIG. 1 B

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	10	20	30	40	50	60
hTTP	MDL	IAIYESLLS	SPDVPVPSDHGGTESSPG	-----	WGSSGPWSLS	-----PSD
hsERF1(11B)	MTT	IVSATIFDL	SEVLCKGNKMLNYSAPSAGGCL	LDRKAVGTPAGGG	-----	FPRR
hsERF2(11D)	MST	ILSA--	FYDVFLLCKTEKSLANLNLNN--	MLDKKAVGTPVAAAPSSGFAPG	FLRR	
	70	80	90	100	110	120
hTTP	SSPSGVT	SRLPGR	-----S-TSLVEGR	-----	SCGWVPP	
hsERF1(11B)	HSVTLPSS	SKFTQN	-----QLLSSLKG	-----	EP	APALSSR
hsERF2(11D)	HSASNL	HALAHAPSPGSCSPKFGAANG	SSCGSAAAGGPTS	YGTLKE	PSGGGGTAL	LNK
	130	140	150	160	170	180
hTTP	PP	-----GHAPLAPRLGPELSPSPTSPTAT	--STTP	SRYTELGRT	-----	SESGRCRYGAKCO
hsERF1(11B)	DSRI	RDRSFSEGGER	--LLPTQKQ	-PGGG--	QVNSSRYKTELCRPFEEN	ACKYGDCKCO
hsERF2(11D)	ENK	RDRSFSENGDRSQHLHL	QQQKEGGGSQ	INSTRYKTELCRPFEESGTCKYGEKCO		
	190	200	210	220	230	240
hTTP	FAHGLGEL	RQANRHPKYKTELCHE	YLGRCPYGSRCH	IHNPS	-----	DLAA
hsERF1(11B)	FAHGIHEL	RSLIRHPKYKTELCRIFHTIGFCPYGPRCH	IHNADERR	ALAG	--	ARDLSA
hsERF2(11D)	FAHGFHEL	RSLIRHPKYKTELCRIFHTIGFCPYGPRCH	IHNADERR	PAPSGGASGDLRA		
	250	260	270	280	290	300
hTTP	PG	-----HPPVLR	OSISFSGLP	SGRRTSPPPP	GLAGPSLSSSSFS	SPSSPPPP
hsERF1(11B)	D	-----RPRLQHSF	SHAGPSAAAT	-----	AAATGLLDS	--PISITPPP
hsERF2(11D)	FGTRDALHLGF	PREPRPKLHSL	SFSGFP	SGHHQPPG	--GL	ESPLLDS--PISRTPPP
	310	320	330	340	350	360
hTTP	G	-----DLPL	SPSAFSAAPG	PLAR	-----	
hsERF1(11B)	-----	ILSADDLLGSP	TLPG	-----		
hsERF2(11D)	PSCSSASS	SCSSAS	ASIPSG	PTCCASAAAALRLL	YGTGGAEDLL	APGAPCAA
	370	380	390	400	410	420
hTTP	-----	RDPTPVCC	PSRRATP	-----		
hsERF1(11B)	-----	NNPFAF	SSQELASLFA	-----		
hsERF2(11D)	CSSASCANNA	AFAG	PELSSLITPLAIQTHNFAAVAAAAYRS	QQQQQQQLAPPAQPPA		
	430	440	450	460	470	480
hTTP	-ISVWG	PLGG	-----	LVRTPSVQSLGSDP	-----	DEYASSGSSLGSDSPVFEA
hsERF1(11B)	-PSMGL	PGGG	-----	SP--TTFLFRPMSES	PHMDSPPSPQDLS	SDQEGYLSSSSS--HS
hsERF2(11D)	PPSATL	PAGAAAPP	SPPF	SFQLPRRLSDSP	-VFUAPPSP	PDLSDRDSYLSGSLSSGSL
	490	500				
hTTP	G	VFA	PPQPVAAAPRLP	IFNRISVSE	SEQ. ID NO: 1	
hsERF1(11B)	GSDSP	-----	LNSRRLP	IFSRISTSDU	SEQ. ID NO: 2	
hsERF2(11D)	GSES	PS	-----	LUPGRRLP	IFSRISTSDU	SEQ. ID NO: 3

FIG. 2

SUBSTITUTE SHEET (RULE 26)

202120-98584001

[illegible]

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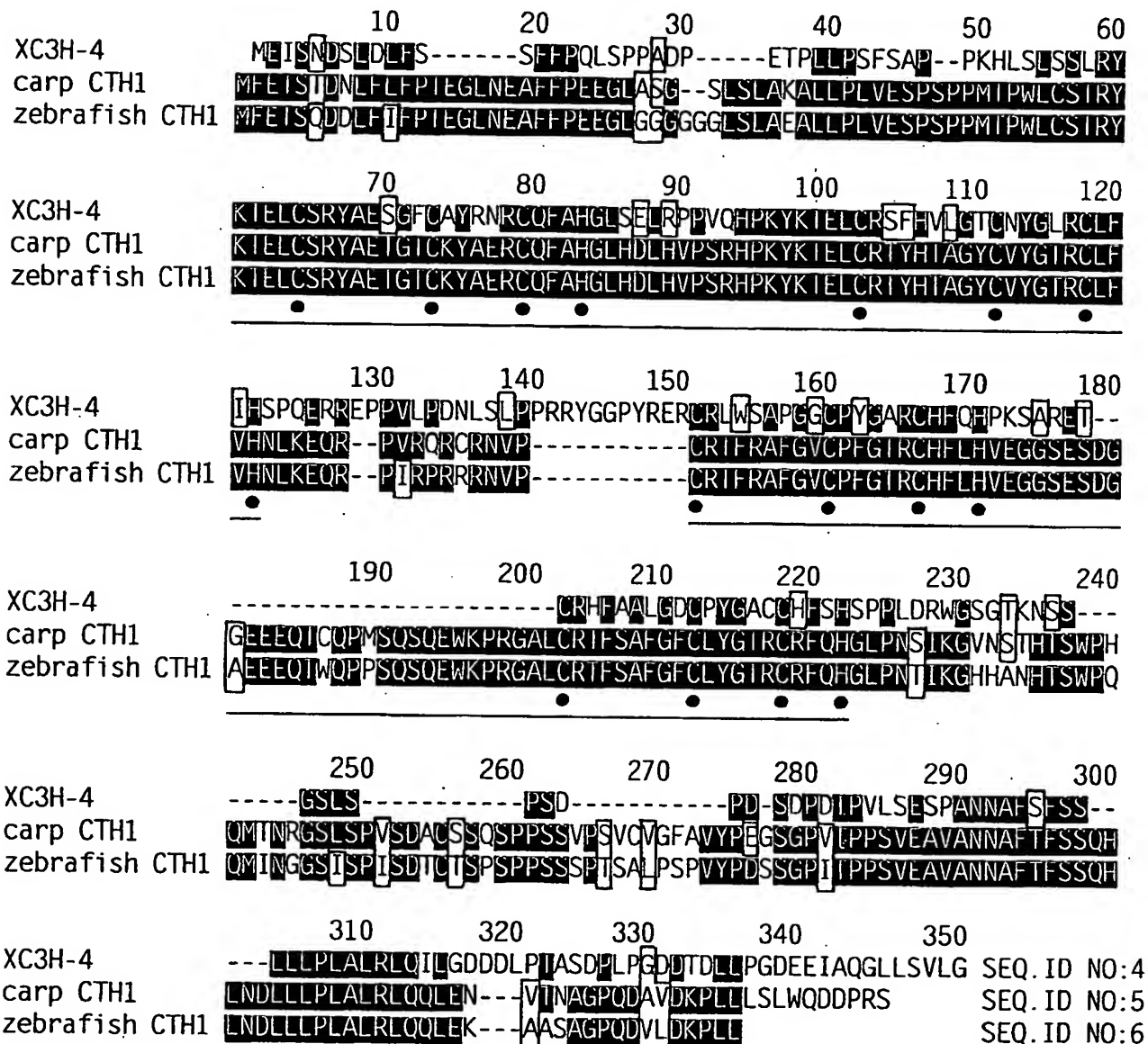


FIG. 4

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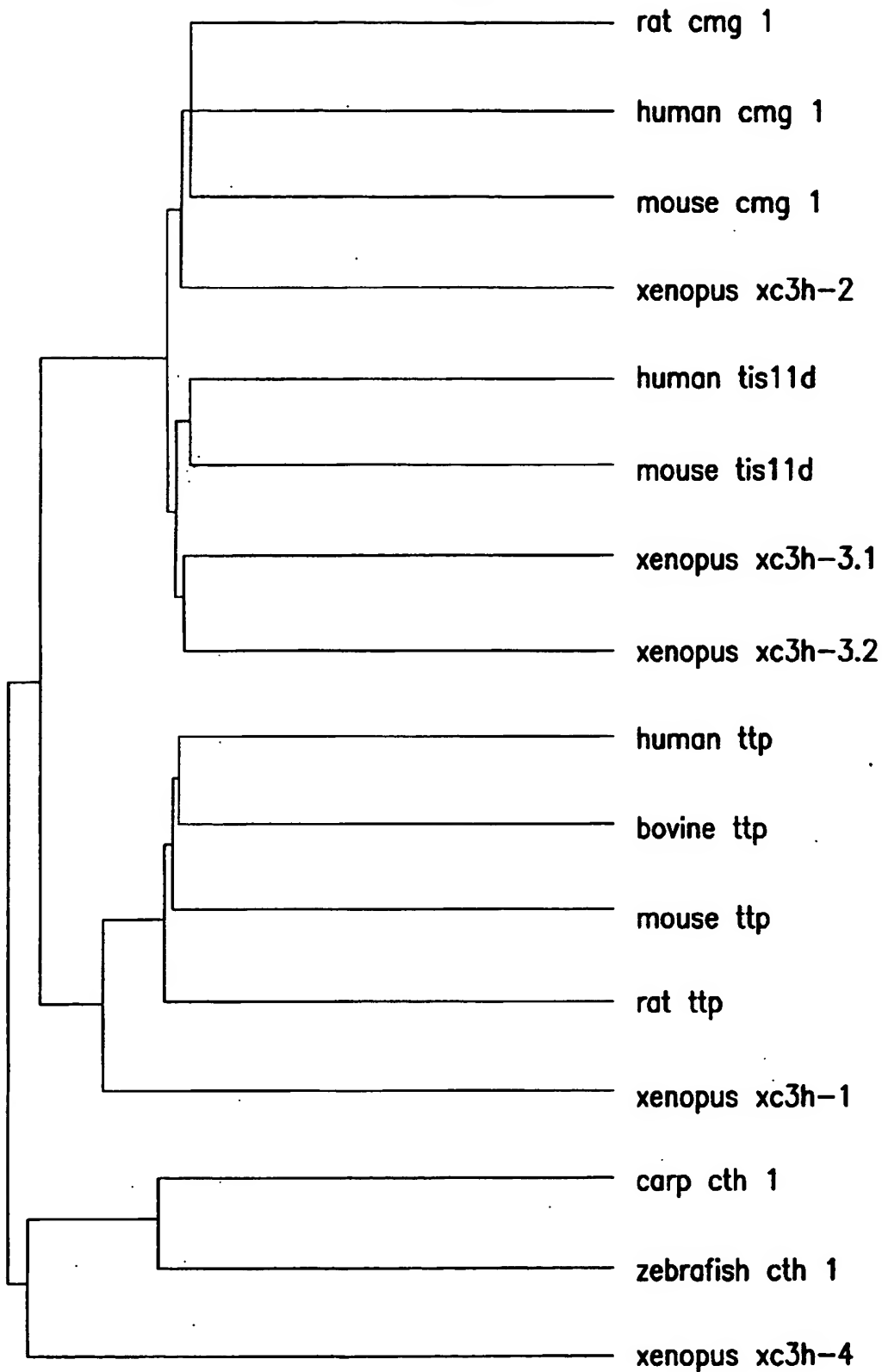


FIG. 5A

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	1		35
rat_cmgl	RYKTELCRPF	EENGACKYGD	KCQFAHGTHE LRSLT
human_cmgl	RYKTELCRPF	EENGACKYGD	KCQFAHGTHE LRSLT
mouse_cmgl	RYKTELCRPF	EENGACKYGD	KCQFAHGTHE LRSLT
xenopus_xc3h-2	RYKTELCRPF	EENGACKYGD	KCQFAHGTHE LRSLT
human_tisl1d	RLKTELCRPF	EESGTCKYGE	KCQFAHGFHE LRSLT
mouse_tisl1d	RYKTELCRPF	EESGTCKYGE	KCQFAHGFHE LRSLT
xenopus_xc3h-3.1	RYKTELCRPF	EENGACKYGE	KCQFAHGFHE LRSLT
xenopus_xc3h-3.2	RYKTELCRPF	EESGACKYGE	KCQFAHGFHE LRSLT
human_ttp	RYKTELCRTF	SESGRCRYGA	KCQFAHGLGE LRQAN
bovine_ttp	RYKTELCRTF	SESGRCRYGA	KCQFAHGLGE LRQAN
mouse_ttp	RYKTELCRTF	SESGRCRYGA	KCQFAHGLGE LRQAN
rat_ttp	RYKTELCRTF	SESGRCRYGA	KCQFAHGPGE LRQAN
xenopus_xc3h-1	RYKTELCRTF	SESGTCKYGA	KCQFAHGKIE LREP
carp_cthl	RYKTELCSPR	AETGTCKYAE	RCQFAHGLHE LHVP
zebrafish_cthl	RYKTELCSPR	AETGTCKYAE	RCQFAHGLHE LHVP
xenopus_xc3h-4	RYKTELCSPR	AESGFCAYRN	RCQFAHGLSE LRPPV

	36		65
rat_cmgl	RHPKYKTELC	RTFHTIGFCP	YGPRCHF IH ~ SEQ. ID NO:7
human_cmgl	RHPKYKTELC	RTFHTIGFCP	YGPRCHF IH ~ SEQ. ID NO:8
mouse_cmgl	RHPKYKTELC	RTFHTIGFCP	YGPRCHF IH ~ SEQ. ID NO:9
xenopus_xc3h-2	RHPKYKTELC	RTFHTIGFCP	YGPRCHF IH ~ SEQ. ID NO:10
human_tisl1d	RHPKYKTELC	RTFHTIGFCP	YGPRCHF IH ~ SEQ. ID NO:11
mouse_tisl1d	RHPKYKTELC	RTFHTIGFCP	YGPRCHF IH ~ SEQ. ID NO:12
xenopus_xc3h-3.1	RHPKYKTELC	RTFHTIGFCP	YGPRCHF IH ~ SEQ. ID NO:13
xenopus_xc3h-3.2	RHPKYKTELC	RTFHTIGFCP	YGPRCHF IH ~ SEQ. ID NO:14
human_ttp	RHPKYKTELC	HKIFLQGRCP	YGSRCHF IH ~ SEQ. ID NO:15
bovine_ttp	RHPKYKTELC	HKIFLQGRCP	YGSRCHF IH ~ SEQ. ID NO:16
mouse_ttp	RHPKYKTELC	HKIFLQGRCP	YGSRCHF IH ~ SEQ. ID NO:17
rat_ttp	RHPKYKTELC	HKIFLQGRCP	YGSRCHF IH ~ SEQ. ID NO:18
xenopus_xc3h-1	RHPKYKTELC	HKIFLYGEC	YGSRCHF IH ~ SEQ. ID NO:19
carp_cthl	RHPKYKTELC	RTFHTIGFCV	YGTIRCLF IH ~ SEQ. ID NO:20
zebrafish_cthl	RHPKYKTELC	RTFHTIGFCV	YVTRCLF IH ~ SEQ. ID NO:21
xenopus_xc3h-4	RHPKYKTELC	RSFHVLTGN	YGLRCLF IH ~ SEQ. ID NO:22

FIG.5B